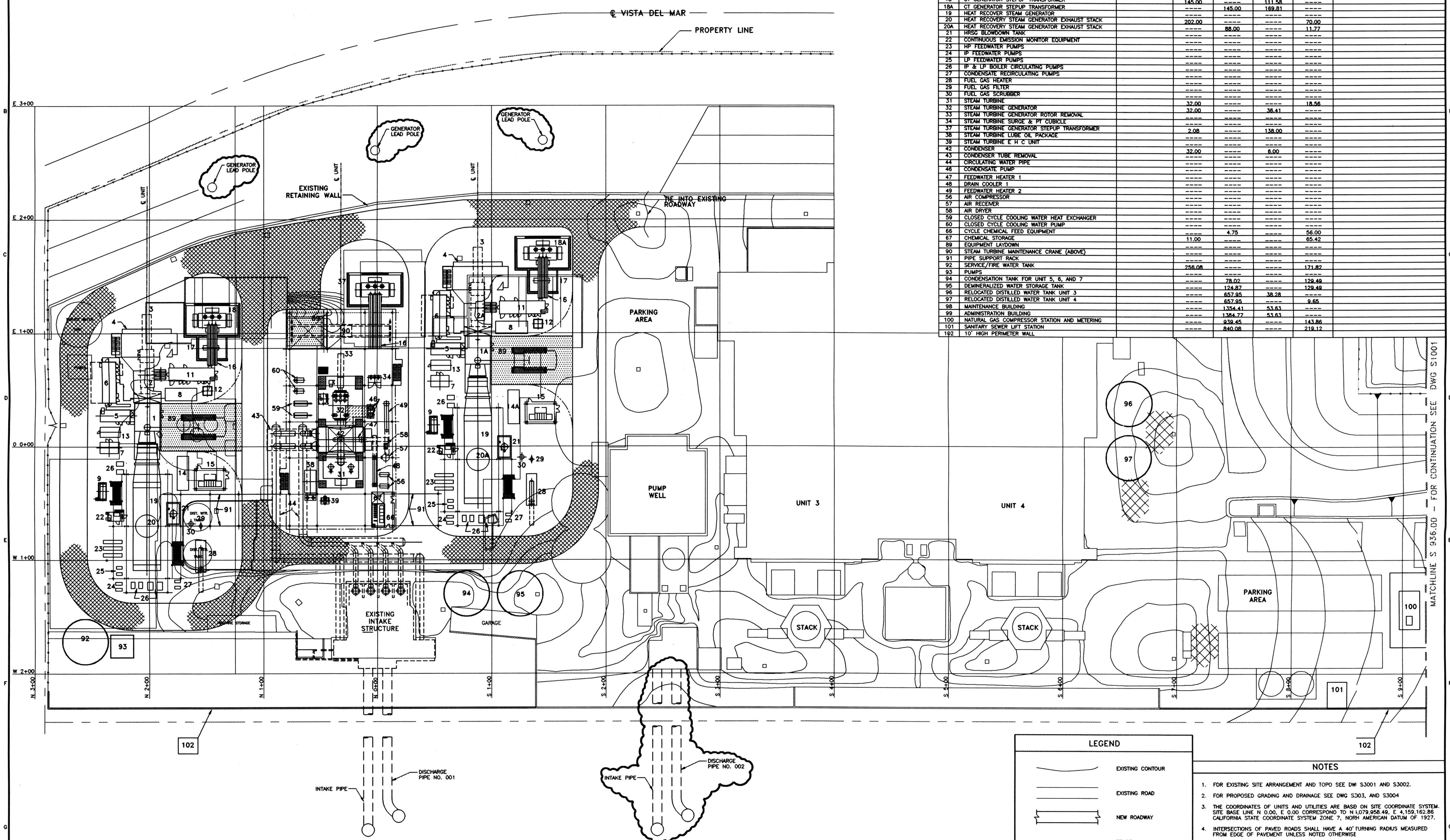
REVISED FIGURE 3.5-1A
showing
LOCATION OF DISCHARGE STRUCTURE NO. 002 (DR 121)
and
LOCATION OF NEW GENERATOR LEAD POLES (SUPPLEMENTAL DR 74)



FACILITY LEGEND

ID	FACILITY		TIEDOWN LOCATION NORTH	SOUTH	EAST	WEST	REMARKS
1	COMBUSTION TURBINE		202.00	----	26.40	----	
1A	COMBUSTION TURBINE		----	88.00	84.64	----	
2	COMBUSTION TURBINE GENERATOR		202.00	----	63.60	----	
2A	COMBUSTION TURBINE GENERATOR		----	88.00	121.84	----	
3	CT GENERATOR ROTOR REMOVAL		----	----	----	----	
4	COMBUSTION TURBINE INLET AIR FILTER		----	----	----	----	
5	CT MECHANICAL ACCESSORY COMPARTMENT		----	----	----	----	
6	CT ELECTRICAL/CONTROL CENTER		----	----	----	----	
7	COMBUSTION TURBINE WATER INJECTION SKID		----	----	----	----	
8	COMBUSTION TURBINE STATIC START SKID		----	----	----	----	
9	COMBUSTION TURBINE CO2 FIRE PROTECTION SKID		----	----	----	----	
11	CT GENERATOR EXCITATION COMPARTMENT		----	----	----	----	
12	COMBUSTION TURBINE DC LINK REACTOR		----	----	----	----	
13	COMBUSTION TURBINE WATER WASH SKID		----	----	----	----	
14	SWITCHGEAR EQUIPMENT		170.67	----	----	23.62	
14A	SWITCHGEAR EQUIPMENT		----	119.33	34.82	----	
15	SECONDARY UNIT SUBSTATION/TRANSFORMERS		----	----	----	----	
16	ISOLATED PHASE BUS DUCT		----	----	----	----	
17	AUXILIARY TRANSFORMER		----	----	----	----	
18	CT GENERATOR STEPUP TRANSFORMER		145.00	----	111.58	----	
18A	CT GENERATOR STEPUP TRANSFORMER		----	145.00	169.81	----	
19	HEAT RECOVER STEAM GENERATOR		----	----	----	----	
20	HEAT RECOVERY STEAM GENERATOR EXHAUST STACK		202.00	----	----	70.00	
20A	HEAT RECOVERY STEAM GENERATOR EXHAUST STACK		----	88.00	----	11.77	
21	HRSG BLOWDOWN TANK		----	----	----	----	
22	CONTINUOUS EMISSION MONITOR EQUIPMENT		----	----	----	----	
23	HP FEEDWATER PUMPS		----	----	----	----	
24	IP FEEDWATER PUMPS		----	----	----	----	
25	LP FEEDWATER PUMPS		----	----	----	----	
26	IP & LP BOILER CIRCULATING PUMPS		----	----	----	----	
27	CONDENSATE RECIRCULATING PUMPS		----	----	----	----	
28	FUEL GAS HEATER		----	----	----	----	
29	FUEL GAS FILTER		----	----	----	----	
30	FUEL GAS SCRUBBER		----	----	----	----	
31	STEAM TURBINE		32.00	----	----	18.56	
32	STEAM TURBINE GENERATOR		32.00	----	36.41	----	
33	STEAM TURBINE GENERATOR ROTOR REMOVAL		----	----	----	----	
34	STEAM TURBINE SURGE & PT CUBICLE		----	----	----	----	
37	STEAM TURBINE GENERATOR STEPUP TRANSFORMER		2.08	----	138.00	----	
38	STEAM TURBINE LUBE OIL PACKAGE		----	----	----	----	
39	STEAM TURBINE E H C UNIT		----	----	----	----	
42	CONDENSER		32.00	----	6.00	----	
43	CONDENSER TUBE REMOVAL		----	----	----	----	
44	CIRCULATING WATER PIPE		----	----	----	----	
46	CONDENSATE PUMP		----	----	----	----	
47	FEEDWATER HEATER 1		----	----	----	----	
48	DRAIN COOLER 1		----	----	----	----	
49	FEEDWATER HEATER 2		----	----	----	----	
56	AIR COMPRESSOR		----	----	----	----	
57	AIR RECEIVER		----	----	----	----	
58	AIR DRYER		----	----	----	----	
59	CLOSED CYCLE COOLING WATER HEAT EXCHANGER		----	----	----	----	
60	CLOSED CYCLE COOLING WATER PUMP		----	----	----	----	
66	CYCLE CHEMICAL FEED EQUIPMENT		----	4.75	----	56.00	
67	CHEMICAL STORAGE		11.00	----	----	65.42	
89	EQUIPMENT LAYDOWN		----	----	----	----	
90	STEAM TURBINE MAINTENANCE CRANE (ABOVE)		----	----	----	----	
91	PIPE SUPPORT RACK		----	----	----	----	
92	SERVICE/FIRE WATER TANK		256.08	----	----	171.82	
93	PUMPS		----	----	----	----	
94	CONDENSATION TANK FOR UNIT 5, 6, AND 7		----	78.02	----	129.49	
95	DEMINERALIZED WATER STORAGE TANK		----	124.87	----	129.49	
96	RELOCATED DISTILLED WATER TANK UNIT 3		----	657.95	38.28	----	
97	RELOCATED DISTILLED WATER TANK UNIT 4		----	657.95	----	9.65	
98	MAINTENANCE BUILDING		----	1354.41	53.63	----	
99	ADMINISTRATION BUILDING		----	1384.77	53.63	----	
100	NATURAL GAS COMPRESSOR STATION AND METERING		----	939.45	----	143.86	
101	SANITARY SEWER LIFT STATION		----	840.08	----	219.12	
102	10' HIGH PERIMETER WALL						

LEGEND

- EXISTING CONTOUR
- EXISTING ROAD
- NEW ROADWAY
- FENCE
- NEW FACILITY
- ASPHALT PAVING

NOTES

1. FOR EXISTING SITE ARRANGEMENT AND TOPO SEE DW S3001 AND S3002.
2. FOR PROPOSED GRADING AND DRAINAGE SEE DWG S303, AND S3004
3. THE COORDINATES OF UNITS AND UTILITIES ARE BASB ON SITE COORDINATE SYSTEM. SITE BASE LINE N 0.00, E 0.00 CORRESPOND TO N 1,079,958.49, E 4,159,162.86 CALIFORNIA STATE COORDINATE SYSTEM ZONE 7, NORH AMERICAN DATUM OF 1927.
4. INTERSECTIONS OF PAVED ROADS SHALL HAVE A 40' TURNING RADIUS MEASURED FROM EDGE OF PAVEMENT UNLESS NOTED OTHERWISE
5. ROADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL ROAD CROSS SECTIONS AND DETAILS SHOWN ON DWG S3006.

NOT TO BE USED
FOR CONSTRUCTION

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
1	04/16/2001	ISSUED IN RESPONSE TO CEC REQUEST	SMR		DKC	DKC	
0	12/08/2000	ISSUED FOR AFC SUBMITTAL	AER	SK	DKC		

23°13'

SCALE: 1"=30' (30' 20' 10' 0 30' 60')

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.
SIGNED ______
DATE ______ REG NO. ______

BLACK & VEATCH
ENGINEER SK DRAWN CB
CHECKED DATE

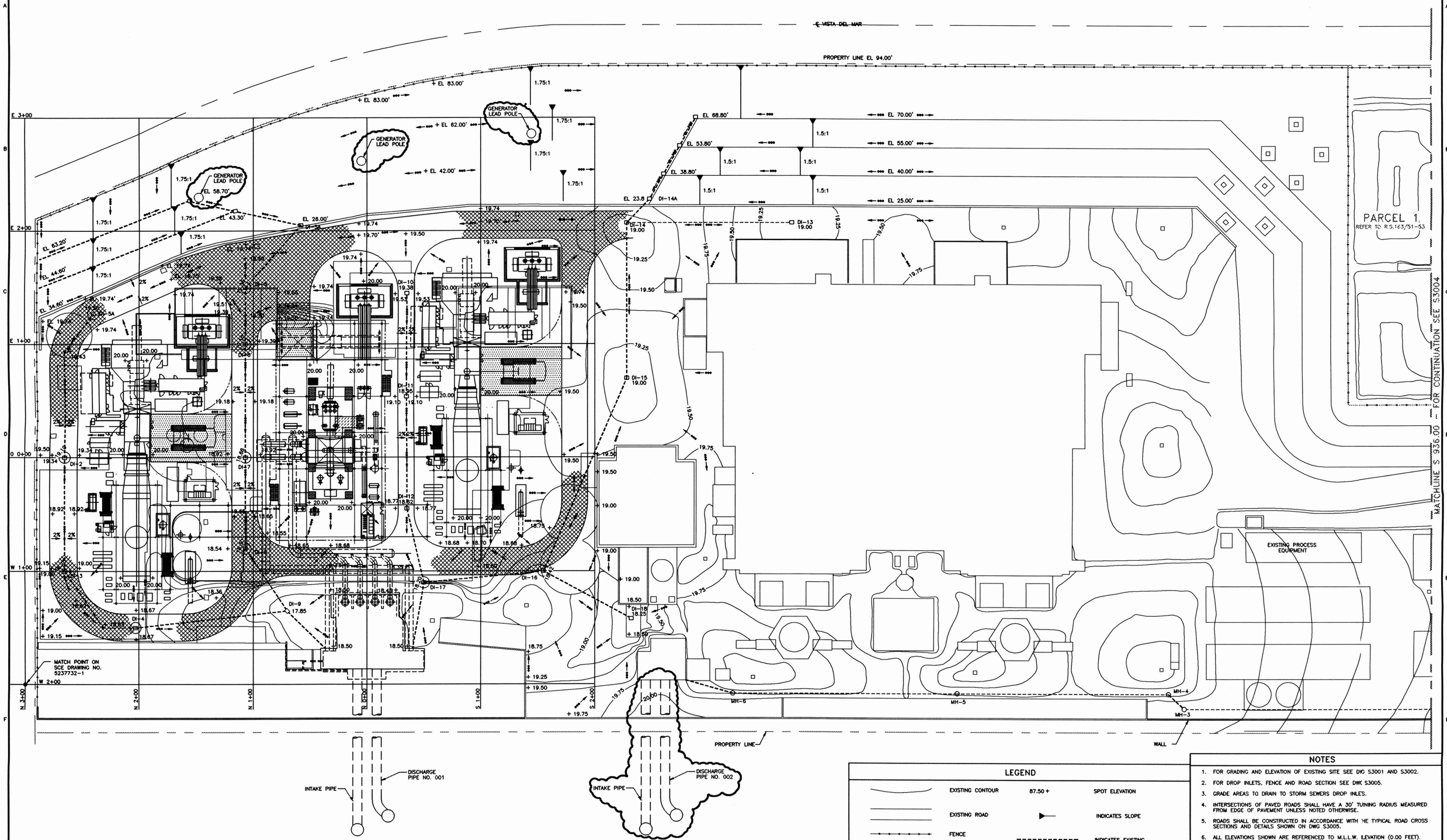
NRG DEVELOPMENT COMPANY, INC.
EL SEGUNDO POWER PLANT

SITE ARRANGEMENT
PLAN

PROJECT / DRAWING NUMBER: 098496-DS-S1000
REV: 1
CODE
AREA

FIGURE 3.4-2A

ROS31453 A1ASL017 E1 30 ACAD 15.05
04/16/01 15:32:52



LEGEND

- EXISTING CONTOUR — 87.50 + SPOT ELEVATION
- EXISTING ROAD — INDICATES SLOPE
- FENCE — INDICATES EXISTING DRAIN LINE LOCATION
- INDICATES DRAINAGE FLOW

NOTES

1. FOR GRADING AND ELEVATION OF EXISTING SITE SEE DWG S3001 AND S3002.
2. FOR DROP INLETS, FENCE AND ROAD SECTION SEE DWG S3005.
3. GRADE AREAS TO DRAIN TO STORM SEWERS DROP INLETS.
4. INTERSECTIONS OF PAVED ROADS SHALL HAVE A 30' TURNING RADIUS MEASURED FROM EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
5. ROADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL ROAD CROSS SECTIONS AND DETAILS SHOWN ON DWG S3005.
6. ALL ELEVATIONS SHOWN ARE REFERENCED TO M.L.L.W. ELEVATION (0.00 FEET).
7. CONSTRUCTION SEQUENCE SHALL BE SCHEDULED TO MINIMIZE UNCONTROLLED RUNOFF AND OFFSITE SEDIMENTATION DURING GRADING OPERATIONS. SEDIMENTATION BARRIERS SHALL BE INSTALLED IN EACH AREA BEFORE GRADING OPERATIONS BEGIN.
8. NEW CONTOURS AND GRADE ELEVATIONS SHOWN ON THE SITE PREPARATION PLANS INDICATE FINISH GRADE UNLESS NOTED OTHERWISE.

NOT TO BE USED FOR CONSTRUCTION

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
2	04/16/2001	ISSUED IN RESPONSE TO CEC REQUEST	SMR		DKC	DKC	
1	03/13/2001	RESPONCE TO 00-AFC-14	JJK		JLM	DKC	
0	12/08/2000	ISSUED FOR AFC SUBMITTAL	AER	SK	DKC		

23°13'

SCALE: 1"=30' (30' 20' 10' 0 30' 60')

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA
SIGNED _____
DATE _____ REG NO. _____

BLACK & VEATCH

ENGINEER	SK	DRAWN	JK
CHECKED		DATE	

NRG DEVELOPMENT COMPANY, INC.
EL SEGUNDO POWER PLANT

SITE - GRADING & DRAINAGE PLAN

PROJECT 098496-DS-S3003 | DRAWING NUMBER | REV 2
CODE | AREA
FIGURE 3.5-1A

ROSS1453 E1 15:34:57 04/16/01
ACAD 15.05